

MONSANTO

FROM: G. A. Grundmann (4-6112) Corporate Engineering - CS6G

DATE: December 10, 1985 CC: L. V. Bumbicka - 1740\*  
M. A. Coco - JSA  
SUBJ: Project Progress Meeting J. Colling - 1740  
R. J. Geile - CS6G  
REF: CEA 3608 - Main South Trunk P. R. Hoemann - 1740  
Sewer L. C. Kreh - F2ED  
B. W. Stekettee - 1740  
TO: J. J. Beckerle - JSA R. L. Wiese - CS6G  
W. Bodine - JSA  
W. C. Koester - JSA\*  
K. W. Lichtenheld - CS6G\*  
C. J. Lotz - JSA\*  
R. L. Nelson - 1740\*  
K. W. Petterson - 1740\*  
R. Schlereth - Fleischer Seeger\*\*  
R. B. Knoll - Fleischer Seeger\*\*

\*Present At Meeting

\*\*Present Part Time

Following are minutes of the meeting held at the CED construction trailers on 12/5/85 at 9:30 a.m.

1. Construction Progress

- a. Poured a portion of 42" VCP base between 2-DD and 3-AA. Also poured base in 245 tunnel.
- b. Manhole 2-DD walls stripped. Now forming manhole 3-AA walls.
- c. The 42" VCP joints between 2-CC and 2-DD are complete today. A test is planned for next week. The trench has been covered and temperature is being maintained by heaters.
- d. Removed sheet pile at 1-EE. Backfilling is in progress.
- e. Work in progress on finishing the interiors on several manholes.
- f. Plan to fill 2-AA with water today for test.
- g. An additional 72' of trench covers have been made.

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### 2. Internal Manhole Work

- a. Manholes 1-AA and 1-GG have passed all final inspections. Manholes 1-BB and 1-CC have a few more pinholes to fill.
- b. Manhole 2-EE should be complete today and membrane work can start on 12/6/85. 1-EE may be ready next week. The next manholes available will probably be 1-DD and 1-JJ.
- c. Existing manhole 1-D-1 will be ready for brickwork during the week of 12/9/85. The outside of the manhole is in poor condition. Lichtenheld and Nelson to look at the manhole.
- d. Fleischer Seeger has submitted an extra for additional work. There is an extra pipe in manhole 1-GG that was not on the drawing and which required extra work. In addition, there is a flume passing through the manhole which makes the work more difficult. The additional charges are being reviewed. The flume problem will also be present in manholes 1-DD, 1-JJ, 2-AA, and 2-CC. The flume was the option chosen in lieu of pumping around the manhole, etc.

### 3. T-3 Jumper

The T-3 jumper is approximately 60% complete. Both manholes will be tied into at the same time for convenience. This will be accomplished most likely during the Chor Alkali shutdown around mid-December.

### 4. ACL

- a. The shutdown began 12/2. Work could not begin until 12/4. Construction will work weekends, etc. as required to get completed by 12/11.
- b. The 6" cooling tower line is to be VCP material.

### 5. Department 245

The driving of pile between manholes 3-AA and 3-BB will begin the week of 12/9.

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6. Miscellaneous

- a. There are 2 small chips in the spigot face of one piece of pipe that is in the trench. Lichtenheld and Nelson to review.
- b. The supply of water to the showers needs to be checked to insure continuous flow. Nelson
- c. Details on the location of manhole 2-FF are required. Lichtenheld
- d. The field routing of the electrical power supply to the instrument house is to be determined and plant approval obtained. Petterson and Nelson
- e. There are some cracks inside manholes 1-EE, 2-AA, and 2-BB. Lichtenheld and Nelson to look at and make recommendations.
- f. A small section of a 42" VCP joint between 2-CC and 2-DD has exothermed, probably because it was too near a heater. This portion of the joint will be repaired.
- g. Any large indentations on the outside of manholes should be filled prior to application of the outside coating. This primarily applies to large indentations caused by bubbles, rock voids, etc.
- h. The dish on manhole floors can be achieved by grinding on in some cases by filling in with the proper cement mixture, such as in the center where the slope drops off too much.
- i. Permits were reviewed to insure that there is clear understanding on the procedures. This was necessary because Carrico retired and new people are obtaining the permits.
- j. It was noted that care should be taken not to place any frozen dirt in the ground as backfill.
- k. Alberici was requested to cleanup materials at the southeast corner of the BBZ storeroom.

7. Work South of 3-BB

The two options for proceeding south of manhole 3-BB were reviewed. Some general conclusions are listed below:

- a. When work starts on the membrane/brickwork on manholes 3-BB and 33-A, it will require approximately 45 days to complete. All other work downstream of these manholes must be completed during this time period as the entire sewer from 33-A/3-BB will be turned into service at the time brickwork is complete.

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- b. During the time brickwork is proceeding as outlined in paragraph (a), it should be possible to build manhole 3-CC and also build approximately 80% of the 42" VCP line from 3-BB to 3-CC.

It is not felt at this time that the existing 36" line from 3-C to 2-U can be taken out of service until the manhole 3-BB is turned into service. For this reason, the 42" VCP line cannot be built all the way to manhole 3-CC as it would cross this line.

- c. At this time, it is likely that manhole 3-DD will be eliminated.
- d. While work is proceeding on manholes 3-BB and 33-A, the baffle will be pulled in Box 3-B/3-C to allow this diverted flow to be routed through both manholes 3A and 2-U. There is an outside possibility, but not likely, that all this flow could be diverted thru the 24" line from 3-B to 3-A (baffle not pulled in box 3-B/3-C). Nelson is to furnish flows to Lichtenheld so this can be checked.
- e. Access to the sulphur pit and drum dock at Department 245 during this work is imperative. The drum dock should be accessible from the north between manholes 3-AA and 3-BB. Access to the sulphur pit could be from the north or by pipeline to the south. Nelson and Bumbicka to review with the plant.
- f. When the final portion of the sewer south of manhole 3-BB is ready for operation, a plug must be removed from the 42" pipe. This requires some interface with the safety department to find a way that this operation can be done safely.
- g. The two procedures will now be combined to get a better overall plan.
- h. A review meeting will be set up the week of December 16 with department 245 personel to review the plan. Petterson to set up.

The next progress meeting will be held on Thursday, December 12 at 9:30 A.M. at the construction trailers. All Monsanto personnel are to meet prior to this meeting at 9:00 A.M.

*G. A. Grundmann*

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